



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yura Hirofumi et al.
Serial No.: 09/831,419
Filed: August 13, 2001
Title: FUNCTIONAL CHITOSAN DERIVATIVE
Docket: 33550

RECEIVED

AUG 15 2003

TECH CENTER 1600/2900

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.97 and 1.98, Applicant is submitting herewith Form PTO-1449 listing references for consideration by the Examiner. Also submitted herewith is a legible copy of each reference. As to the FR 2490648 reference, which is not in English, the following is an explanation of its relevance: This reference describes pyridinyl azido as a photosensitive compound and its introduction into chitosan polymer to produce a photosensitive resin. The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Respectfully submitted,

PEARNE & GORDON LLP

By

John P. Murtaugh, Reg. No. 34226

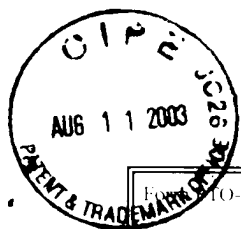
526 Superior Avenue East
Suite 1200
Cleveland, Ohio 44114-1484
(216) 579-1700

Date:

8-8-03

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below

John P. Murtaugh



Form PTO-1449 INFORMATION DISCLOSURE CITATION BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 33550	SERIAL NO. 09 831,419
	APPLICANT Yura Hirofumi et al.		
	FILING DATE: August 13, 2001	GROUP ART UNIT: 1623	

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date If Appropriate
	A						
	B						
	C						
	D						
	E						
	F						
	G						

RECEIVED

AUG 15 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	H	WO 99/01498	1/1999	PCT			
	I	WO 93/05793	4/1993	PCT			
	J	2 490 648	9/1980	France			
	K						
	L						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

M	Sei-ichi Aiba et al: "Covalent immobilization of chitosan derivatives onto polymeric film surfaces with the use of a photosensitive hetero-bifunctional crosslinking reagent", Biomaterials, November 1987, Vol. 8, pages 481-488, XP-002062555
N	Patent Abstracts of Japan, vol. 14, no. 188 (C-710), 17 April 1990 (1990-04-17) & JP 02 032101 A (KAWAKEN FINE CHEM CO LTD), 1 February 1990 (1990-02-01), abstract: examples 4-6; table 1
P	

Examiner:	
-----------	--